



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

UTEC:007US

Serial No.

10/697,991

Applicant

M. Benjamin Perryman *et al.*

Filing Date:

October 30, 2003

Group:

2881

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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Y6	C1	Anderson <i>et al.</i> , "A comparison of selected mRNA and protein abundances in human liver," <i>Electrophoresis</i> , 18:533-537, 1997.
	C2	Boheler <i>et al.</i> , "Skeletal actin mRNA increases in the human heart during ontogenic development and is the major isoform of control and failing adult hearts," <i>J. Clin. Invest.</i> , 88:323-330, 1991.
	C3	Bucknall <i>et al.</i> , "Practical quantitative biomedical applications of MALDI-TOF mass spectrometry," <i>Journal of American Society of Mass Spectrometry</i> , 13(9):1015-27, 2002.
	C4	Caprioli <i>et al.</i> , "Molecular imaging of biological samples: localization of peptides and proteins using MALDI-TOP MS," <i>Ana. Chem.</i> , 69:4751-4760, 1997.
	C5	Chaurand <i>et al.</i> , "Direct profiling of proteins in biological tissue sections by MALDI mass spectrometry," <i>Anal. Chem.</i> , 71:5263-5270, 1999.
	C6	Chen <i>et al.</i> , "Discordant protein and mRNA expression in lung adenocarcinomas," <i>J. Chromatogr. Molecular &amp; Cellular Proteomics</i> , 1:304-313, 2002.
	C7	Desiderio <i>et al.</i> , "Mass spectrometry, high performance liquid chromatography, and brain peptides," <i>Biopolymers</i> , 40:257-264, 1996.
	C8	dos Remedios <i>et al.</i> , "Different electrophoretic techniques produce conflicting data in the analysis of myocardial samples from dilated cardiomyopathy patients: protein levels do not necessarily reflect mRNA levels," <i>Electrophoresis</i> , 17:235-238, 1996.

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EXAMINER:

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Exam. Init.	Ref. Des.	Citation
Y6	C9	Duncan <i>et al.</i> , "Quantitative analysis of low molecular weight compounds of biological interest by matrix-assisted laser desorption/ionization," <i>Rapid Commun. Mass Spectrom.</i> , 7:1090-1094, 1993.
	C10	Gobom <i>et al.</i> , "Detection and quantification of neurotensin in human brain tissue by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry," <i>Anal. Chem.</i> , 72:3320-3326, 2000.
	C11	Gygi <i>et al.</i> , "Correlation between protein and mRNA abundance in yeast," <i>Mol. Cell. Biol.</i> , 19(3):1720-1730, 1999.
	C12	Herron <i>et al.</i> , "Small amounts of alpha-myosin heavy chain isoform expression significantly increase power output of rat cardiac myocyte fragments," <i>Circ. Res.</i> , 90:1150-1152, 2002.
	C13	Jespersen <i>et al.</i> , "Direct sequencing of neuropeptides in biological tissue by MALDI-PSD mass spectrometry," <i>Anal. Chem.</i> , 71:660-666, 1999.
	C14	Kanazawa <i>et al.</i> , "Establishment of a method for mapping of N-linked oligosaccharides and its use to analyze industrially produced recombinant erythropoietin," <i>Biol. Pharm. Bull.</i> , 22(4):339-346, 1999.
	C15	Li <i>et al.</i> , "Single-cell MALDI: a new tool for direct peptide profiling," <i>Trends Biotechnol.</i> , 18:151-160, 2000.
	C16	Lim <i>et al.</i> , "Expression profiling of cardiac genes in human hypertrophic cardiomyopathy: insight into the pathogenesis of phenotypes," <i>J. Am. Coll. Cardiol.</i> , 38(4):1175-1180, 2001.
	C17	Lompre <i>et al.</i> , "Myosin isoenzyme redistribution in chronic heart overload," <i>Nature</i> , 282:105-107, 1979.
	C18	Lovelace <i>et al.</i> , "Analysis of methionine enkephalin in human pituitary by multi-dimensional reversed-phase high-performance liquid chromatography, radioreceptor assay, radioimmunoassay, fast atom bombardment mass spectrometry, and mass spectrometry-mass spectrometry," <i>J. Chromatogr.</i> , 562:573-584, 1991.
	C19	Lowes <i>et al.</i> , "Changes in gene expression in the intact human heart: downregulation of $\alpha$ -myosin heavy chain in hypertrophied, failing ventricular myocardium," <i>J. Clin. Invest.</i> , 100:2315-2324, 1997.
	C20	Lowes <i>et al.</i> , "Myocardial gene expression in dilated cardiomyopathy treated with beta-blocking agents," <i>N. Engl. J. Med.</i> , 346:1357-1365, 2002.

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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
✓	C21	Lynn <i>et al.</i> , "Identification of enterobacteriaceae bacteria by direct matrix-assisted laser desorption/ionization mass spectrometric analysis of whole cells," <i>Rapid Commun. Mass. Spectrom.</i> , 13:2022-2027, 1999.
	C22	Mercadier <i>et al.</i> , "Plasticity of myocardial phenotype during cardiac hypertrophy and failure," <i>Bull. Acad. Nat'l Med.</i> , 177:917-931(abstract in English), 1993.
	C23	Mirogorodskaya <i>et al.</i> , "Quantification of peptides and proteins by matrix-assisted laser desorption/ionization mass spectrometry using 18O-labeled internal standards," <i>Rapid Commun. Mass. Spectrom.</i> , 14:1226-1232, 2000.
	C24	Miyata <i>et al.</i> , "Myosin heavy chain isoform expression in the failing and nonfailing human heart," <i>Circ. Res.</i> , 86:386-390, 2000.
	C25	Nadal-Ginard <i>et al.</i> , "Molecular basis of cardiac performance," <i>J. Clin. Invest.</i> , 84:1693-1700, 1989.
	C26	Nakao <i>et al.</i> , "Myosin heavy chain gene expression in human heart failure," <i>J. Clin. Invest.</i> , 100:2362-2370, 1997.
	C27	Nelson <i>et al.</i> , "Quantitative determination of proteins by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry," <i>Anal. Chem.</i> , 66:1408-1415, 1994.
	C28	Nguyen <i>et al.</i> , "Protein mass spectrometry: applications to analytical biotechnology," <i>J. Chromatogr.</i> , 705:21-45, 1995.
	C29	Parker <i>et al.</i> , "Induction of S100b in myocardium: an intrinsic inhibitor of cardiac hypertrophy," <i>Can. J. Appl. Physiol.</i> , 23(4):377-389, 1998.
	C30	Razumova <i>et al.</i> , "Simulations predict that expression of small amounts of AMHC in mammalian ventricle significantly accelerates the rate of rise of force," <i>Biophys. J.</i> , 80:261a, 2001.
	C31	Reiser <i>et al.</i> , "Human cardiac myosin heavy chain isoforms in fetal and failing adult atria and ventricles," <i>Physiol. Heart Circ. Physiol.</i> , 280:H1814-H1820, 2001.
	C32	Roepstorff <i>et al.</i> , "MALDI-TOF mass spectrometry in protein chemistry," <i>EXS</i> , 88:81-97, 2000.
✓	C33	Schwartz <i>et al.</i> , "Contractile proteins and sarcoplasmic reticulum calcium-ATPase gene expression in the hypertrophied and failing heart," <i>Basic Res. Cardiol.</i> , 87:285-290, 1992.

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X	C34	Schwartz <i>et al.</i> , "The molecular biology of heart failure," <i>J. Am. Coll. Cardiol.</i> , 22(4):30A-33A, 1993.
	C35	Stoeckli <i>et al.</i> , "Imaging mass spectrometry: a new technology for the analysis of protein expression in mammalian tissues," <i>Nat. Med.</i> , 7(4):493-496, 2001.
	C36	Tsoporis <i>et al.</i> , "S100 $\beta$ inhibits $\alpha$ 1-adrenergic induction of the hypertrophic phenotype in cardiac myocytes," <i>J. Biol. Chem.</i> , 272:31915, 1986.
	C37	Villanueva <i>et al.</i> , "Monitoring the expression and purification of recombinant proteins by MALDI-TOF mass spectrometry," <i>Enzyme Microb. Technol.</i> , 29:99-103, 2001.
	C38	Wu <i>et al.</i> , "Direct plasma sample injection in multiple-component LC-MS-MS assays for high-throughput pharmacokinetic screening," <i>Anal. Chem.</i> , 72:61-67, 2000.
	C39	Zaluzec <i>et al.</i> , "Matrix-assisted laser desorption ionization mass spectrometry: applications in peptide and protein characterization," <i>Protein Expr. Purif.</i> , 6:109-123, 1995.
	C40	Zhang <i>et al.</i> , "Comparison between liquid chromatography-time-of-flight mass spectrometry and selected reaction monitoring liquid chromatography-mass spectrometry for quantitative determination of idoxifene in human plasma," <i>Chromatogr. B. Biomed. Sci. Apl.</i> , 757:151-159, 2001.
	C41	Zhong <i>et al.</i> , "Applications of liquid chromatography-tandem mass spectrometry in drug and biomedical analyses," <i>Clin. Chem. ACTA</i> , 313:147-150, 2001.
	C42	Zhu <i>et al.</i> , "Opioid and tachykinin neuropeptides in prolactin-secreting human pituitary adenomas," <i>Peptides</i> , 16:1097-1107, 1995.
	C43	Zweigenbaum <i>et al.</i> , "Bioanalytical high-throughput selected reaction monitoring-LC/MS determination of selected estrogen receptor modulators in human plasma: 2000 samples/day," <i>Anal. Chem.</i> , 74:2446-2454, 2000.
✓	C44	Zweigenbaum <i>et al.</i> , "High-throughput bioanalytical LC/MS/MS determination of benzodiazepines in human urine: 100 samples per 12 hours," <i>Anal. Chem.</i> , 71:2294-2300, 1999.

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